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(74) Agent: **PARK, Yong-Soon**; 2nd Floor No.201 Namdo Bldg., 823-24, Yeoksam-dong, Kangnam-gu, Seoul 135-933 (KR).

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(71) Applicant (*for all designated States except US*): **HANYANG HAK WON CO., LTD.** [KR/KR]; #17, Haedang 1-dong, Sungdong-gu, Seoul 133-070 (KR).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **SUN, Yang Kook** [KR/KR]; 1018-1103 Taegang Apt. #81 Gongreung-dong, Nowon-gu, Seoul (KR). **LEE, Myoung Hun** [KR/KR]; 209-21, Sangdo 4-dong, Dongjak-gu, Seoul (KR). **KANG, Yoon Jung** [KR/KR]; 29-5, 2gu Jinsan-ri Nam-myeon, Taean-gun, Chungcheongnam-do (KR). **KIM, Gil Ho** [KR/KR]; #1080, Jangsa-ri Geumsan-myeon, Jinju,, Gyeongsangnam-do (KR).

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(54) Title: CATHODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERY, PROCESS FOR PREPARING THE SAME AND REACTOR FOR USE IN THE SAME PROCESS

(57) Abstract: The present invention relates to a cathode active material for a lithium secondary battery and a process for preparing the same. In accordance with the present invention, the cathode active material having a high packing density was designed and synthesized and thus provided is a cathode active material for a lithium secondary battery exhibiting structural stability such as improved characteristics for charge/discharge, service life and high-rate and thermal stability, by modifying surface of the electrode active material with amphoteric or basic compounds capable of neutralizing acid produced around the cathode active material.



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